

NEWSLETTER 7

ISSUED: 2ND JUNE 2005

COSWORTH

CATERHAM MASTERS

in association with 

FEEDBACK

Thank you for your input into the Series, following the first two events at Nürburgring. This Newsletter contains important Sporting & Technical information which is provided following that feedback.

VALENCIA (Events 3 & 4)

All Teams & Competitors are reminded that CONFIRMATION OF ENTRY, NOMINATION OF DRIVERS and the £800 ENTRY FEE is required at the Administration Office **NO LATER** than **Friday 17th June 2005**.

We are advised that Race 2 at Valencia will be at approximately 15.30hrs on Saturday 2nd July 2005.

The organisers have allocated 8 PIT GARAGES, (which each take 2 cars). We are trying to get more allocated, but as always we rely on Teams to organize their own use fairly between you.

SPORTING

1.12. Starting Line-up / Race Procedures - CLARIFICATION

a) The grid for the first race at each event will be formed in the order of qualifying times of the car. The car with the fastest qualifying time will start on pole.

Teams must nominate, no later than 30 minutes prior to the start of the race, to the Championship Administrator which driver will start the race.

d) The mandatory Pit Stop Window opens at 20 minutes & 0 seconds and closes at 39 minutes and 59 seconds. A competitor may not enter the pit lane prior to 20 minutes and must have exited prior to 40 minutes.

A competitor may also enter the pit lane outside of these times for mechanical or other reasons, but no driver change may take place.

ADD to 1.12. i)

Teams must nominate which driver will start the second race, no later than 30 minutes prior to the start, to the Championship Administrator.

Jez Coates – Technical Director of Caterham Cars has issued the following information

TECHNICAL

2.3. Safety Requirements

All cars **MUST** comply with 2.3 b) from Valencia (Events 3 & 4) onwards.

2.4. General Technical Requirements and Exceptions

All cars **MUST** comply with 2.4 b) from Valencia (Events 3 & 4) onwards. It is also permitted, but not mandatory, to fit an aluminium honeycomb panel, in this space, in place of either twin-pack seat foam or similar energy absorbing device.

2.7. Engines

2.7.4.e) – Engine Oil – ADD

With immediate effect it is MANDATORY to use Caterham Motorsport Synthetic 5W50 oil. Price £27.23 + VAT, available from Caterham Cars.

2.7.4.f) – Oil Filler Cap – ADD

With immediate effect it is permissible to wire lock the oil filler cap.

2.7.4.g) – Water Elbow Bolts – ADD

As a result of some bolt failures, replacement 12.9 grade bolts were fitted to most cars at Nürburgring. Competitors or Teams with cars which did not receive up-rated bolts should contact the Engineering Department at Caterham Cars.

Furthermore, it is permissible to helicoil the thread in the cylinder head into which these fixings screw. The helicoils must be the same thread as standard.

2.7.5 – Air/Filter Backplate/Intake Trumpet Bolts – INFORMATION

Competitors/Teams are advised to check the security of the air filter backplate/intake trumpet screws prior to each practise and race. Torque relaxation has been noted on high mileage engines.



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2.7.7 – Ignition System – Coil Covers – INFORMATION

Please return your coil cover clearly marked with your name to the Engineering Department at Caterham Cars to be reworked to allow fitment at future rounds.

2.8 – Suspension – Rear Wheel Bearings/Rear Uprights – INFORMATION

In some cases, it is possible that the rear wheel bearing assembly flange will be held off the corresponding mating surface on the aluminium upright casting. This is due to an insufficient large radius on the edge of the bore of the upright. Competitors and teams are advised to increase the radius to enable the 2 parts to bolt together correctly. Further guidance is available from the Engineering Department at Caterham Cars.

Rocker Pivot Bolts – INFORMATION

In some cases, cars have been supplied with rocker pivot bolts which have been embrittled by the zinc plated process. Current specification bolts are mechanically plated to alleviate this problem.

Competitors and Teams are advised to check these bolts. Suspect bolts have a bright shiny silver appearance whilst latest specification bolts have a matt grey appearance. Suspect bolts will be replaced, free of charge, on request. Please contact the Engineering Department at Caterham Cars.

2.8.1. Modifications Permitted

2.8.1 b) – Wishbone Spherical Joints – INFORMATION

A batch of sub-standard spherical joints have been fitted to some CSR race wishbones. Competitors & Teams are advised to inspect these joints carefully for any play. Joints returned to the Engineering Department at Caterham Cars which exhibit play will be exchanged free of charge for alternative over checked joints.

2.8.1. d) – Rear Camber – AMENDMENT

With immediate effect the maximum rear camber allowed will be increased from 2½° to 3°.

2.8.1 e) – Spring Rates – REMINDER

Front & rear spring rates will remain fixed for Valencia (Events 3 & 4), see Newsletter 2.

2.8.1 g) – Front Anti-Roll Bar – ADD

A new 3/8" diameter front anti-roll bar will be available and permitted for use from mid June. Caterham part number 58568 – Price £38.50 + VAT.

2.9 – Transmission – Gearbox/Gearlever – INFORMATION

Problems encountered with gearchange quality at the Nürburgring, have been traced to individual different faults. Competitors are reminded that the Caterham supplied gearlever must be used in the 'slow shift' setting not the quick shift. In addition, there is concern that some Caterham supplied levers get stiff as they get hot. Therefore it is permissible to use a Ford manufactured lever shortened to Caterham specification. Whilst these parts are no longer available new, any team or competitor wishing to source one should contact the Engineering Department at Caterham Cars.

2.9 c) – Transmission – Quick Release Gearbox – ADD

A modified gearbox main case with fixing bolts reversed to allow removal of the gearbox without the necessity to dismantle the dry sump belltank housing will be made available as a kit complete with 4 top hat threaded blanking bosses to adapt the existing bellhousing and revised fixed bolts. Price £250 + VAT, available from Caterham Cars.

2.9.1 – Modifications Permitted

2.9.1 h) – Differential Location – ADD

A pair of additional differential location torque struts will be issued free of charge to all Competitors & Teams prior to Valencia (Events 3 & 4). These parts can be fitted in 15 minutes and are mandatory.

